

Forecasting of carburized tooth parts durability on metal of a core properties

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Abstract

Complex researches are carried out and communication is established on carburized tooth gear durability with structural condition of a part. Parts operational resource forecasting technique on microhardness values of separate structural components in a core of a tooth of a steel product is offered. Results are based on metallographic researches of parts after bench and operational tests. © IDOSI Publications, 2014.

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Keywords

A core of a part, Durability, Microhardness, Steel, Structure, Tooth gears